

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,178,089 B1  
APPLICATION NO. : 09/643983  
DATED : February 13, 2007  
INVENTOR(S) : Frenger et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page, Item (54), in "TITLE", in Column 1, Line 1, delete "DATE" and insert -- DATA --, therefor.

Title Page, Item (56), under "OTHER PUBLICATIONS", in Column 2, Line 3, after "Specification" delete "Group".

In Column 1, Line 1, delete "DATE" and insert -- DATA --, therefor.

In Column 1, Line 39, delete "vanes" and insert -- varies --, therefor.

In Column 4, Line 1, delete "preprocessing" and insert -- pre-processing --, therefor.

In Column 6, Lines 13-14, delete "preprocessing" and insert -- pre-processing --, therefor.

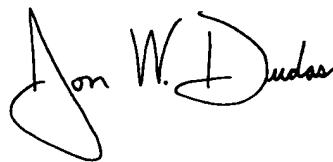
In Column 6, Line 20, delete "preprocessing" and insert -- pre-processing --, therefor.

In Column 8, Line 31, delete "preprocessing" and insert -- pre-processing --, therefor.

In Column 9, Line 38, delete "zenith" and insert -- with --, therefor.

Signed and Sealed this

Seventeenth Day of June, 2008

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a cursive "Dudas".

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*